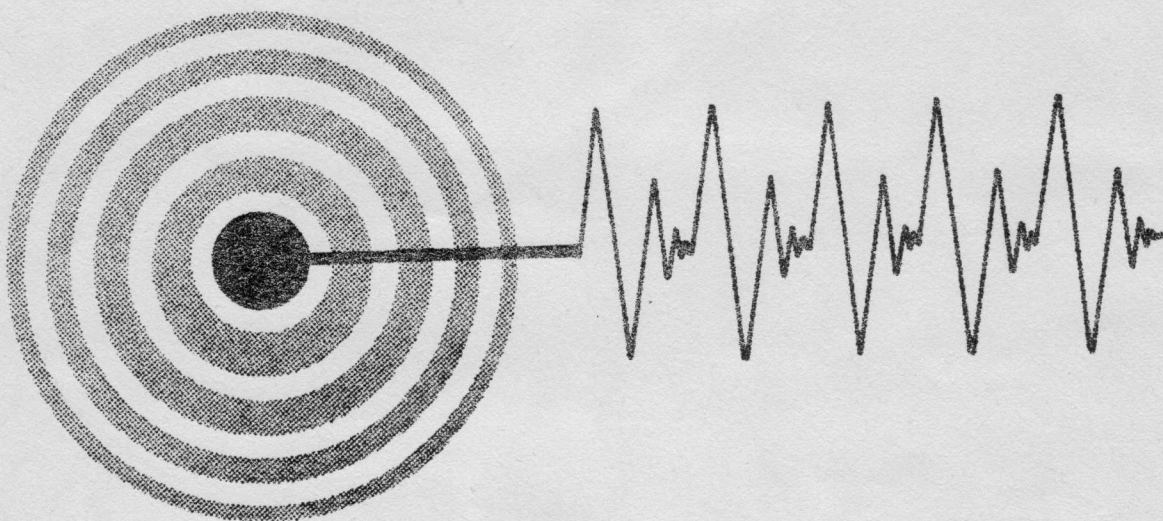


A.C.O.S. BULLETIN

NUMBER SEVEN - SEPTEMBER 1976.



journal of
AUSTRALIAN CO-ORDINATION SECTION,
CENTRE FOR UFO STUDIES

P.O. BOX 546, GOSFORD NSW., 2250

AUSTRALIA

DEFINITION

We define the UFO as the reported perception of an object or light, seen in the sky or upon the land, the appearance, trajectory, and general dynamic and luminescent behaviour of which do not suggest a logical, conventional explanation and which is not only mystifying to the original percipients but remains unidentified after close scrutiny of all available evidence by persons who are technically capable of making a common sense identification if one is possible.

Dr. J. Allen Hynek

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GENERAL - NEWS.
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New Member Organisation.

We have much pleasure in announcing that a new organisation has joined our ranks, and has indeed already forwarded several unknown reports. They are: Unidentified Phenomena Investigation Bureau (UPIB), and the head of which is Mr. E.J.M. Dorant, P.O. Box 261 Bunbury Western Australia 6230. We sincerely hope that all our member organisations make this new organisation welcome, and correspond with them and exchange information, like we are doing at present amongst ourselves.

Another new organisation, S.P.A.C.E.R.S. , of 12 Whittington Rd., Elizabeth Field, South Australia (Mr. Glenn Sawyer) has also joined our ranks, and will be working through UFO Research Inc. of Adelaide.

A.C.O.S. Bulletin.

In the return circular attached to our last Bulletin, we asked your opinion as to whether the ACOS Bulletin should be made available to the public on a subscription basis, to help pay for printing and posting the Bulletin. The general opinion was that it should be, and we have therefore decided to do so. The Bulletin will in no way try to compete with any magazine or other publication in Australia, and additional pages of items which are only for the organisations and not the public will be attached to the copies sent to the organisations only whenever the need arises.

We would therefore appreciate if you could mention this fact in your own next Newsletter for those of your members who wish to subscribe. We further decided not to publicise the fact greatly, but only to your own members, who wish to receive the Bulletin. Cost of subscription per annum will be \$3.00. (This of course does not apply to any member organisations or those who currently receive the Bulletin.)

UFOCON two.

All is now in readiness for Australia's second UFO conference in Mount Gambier, and quite a number of good papers will be presented. I also wish to remind you to make certain to bring at least 30 copies of any papers to be presented, and these should be handed to the chairman Harry Griesberg by Saturday evening the 23rd of October, so that they can be sorted in order of presentation, and these copies will be handed out to the participants AFTER they have been presented.

A number of surprises are also guaranteed to be forthcoming at the conference.

H. Griesberg
D. Seargent

How do UFO's obey the exhaust emission control laws?

by Dr. G. T. Stevens.

A paper presented at the First International meeting on Radiation Processing (1), held in Puerto Rico this year, may have shed some light on the Angel Hair mystery.

The authors describe the operation of a pilot plant that has successfully operated in Japan for more than a year. In this plant, the combustion gases from a heavy oil (type B, sulphur content about 2 %) burner, that was used for steam raising, were irradiated by an electron beam to remove sulphur dioxide (SO_2) and nitrogen oxides (mostly NO). This process may

be a significant means of pollution control as no practical process has yet been established for removal of NO from such industrial gases.

The interesting point for us, however, is that these gases are converted to a white solid probably of approximate composition $(\text{NO}_2)_2 \text{S}_2 \text{O}_{10}$.

The reaction mechanism has not been elucidated but probably involves oxidation of SO_2 to SO_3 followed by rapid reaction with nitrogen oxides (2).

I suggest that analysis of Angel Hair may show that although UFOs are driven by steam engines fuelled by heavy oil type B, the occupants are nevertheless concerned about the environmental impact of their activities.

References:

- (1) Sueo Machi et al., "Radiation treatment of combustion gases," Proc. First International meeting on Radiation Processing, Puerto Rico, May 1976 section VI-2.1
- (2) G. Liuti et al., "A preliminary study of the exposure of $\text{N}_2 - \text{O}_2 - \text{SO}_2$ mixtures to ionizing radiation", Nuclear Applications Vol 6 Page 494 May 1969.

Relativistic Space Travel and ETI.

by D. Seargent

Assume that we are in a spaceship accelerating away from the earth at constant $1G$. We feel no acceleration, as the G force is equal to that which we experience in the gravity of the earth, but, as time passes in our ship, some strange things begin to become apparent as we measure the rapidly decreasing distances of celestial objects, viz. after almost one year of this constant acceleration, ALL distances measured outside our ship will be approaching zero. WHY? Because after one year the velocity of our ship will be almost that of light itself and the Fitzgerald-Lorentz contraction will have reached maximum possible extent. Thus, for an observer outside our ship, the ship itself will have contracted to almost zero length in the direction of motion, but for us on the inside, all distances within the ship will be equally accelerated and therefore, equally contracted (or -- which is the same thing -- not contracted at all). For us, the objects that are accelerating will be the external, astronomical entities and their distances will be seen to suffer the contraction, relative to us.

We can look at this from a temporal, instead of a spatial point of view and consider the phenomenon as an instance of the time dilation effect viz. the nearer we approach the speed of light, the "slower" time on the spaceship will run relative to time on the surrounding astronomical objects, until at the speed of light, all time on the spaceship will stop, relative to the external objects. But, if time stops, space (in effect) contracts to zero -- we can travel as far as we like in no time at all.

If such reasoning is valid, it should be theoretically possible for a relativistic spaceship to travel anywhere in the universe within a time of (say) two years - even to galaxies millions of light years away. However, the trip would be a one-way job only. Time may stop for the passengers of the spaceship, but it marches on at home (1). Thus, such long relativistic trips would be more for colonization of suitable worlds rather than as straight scientific missions.

Nevertheless, as there seems every reason to believe the atmospheres of life bearing worlds to be similar, the prospect of colonization looks good, and we can reasonably assume that a race sufficiently advanced to develop relativistic spaceflight would be able to develop methods for finding suitable planets (perhaps by relativistic robot probes - as these could be subjected to virtually any acceleration, they could be designed to attain relativistic speeds in an arbitrarily short time).

Thus, if there are relativistic civilisations (i.e. ones possessing relativistic flight) anywhere in the universe, it seems apparent that the entire universe will be accessible to them. If they constantly keep their space programme going, sooner or later we can expect them to visit (and possibly colonise) every life-giving planet in the cosmos.

However, just how likely is it that relativistic civilizations exist? Quite likely, I believe, IF INTELLIGENCE EXISTS APART FROM THE EARTH. I say this because there is every reason to believe that intelligence functions according to laws equally as rigid as the laws of physics and chemistry (it may be argued though the argument is too lengthy to present here, that the so-called "laws of thought" i.e. logic and mathematics, are actually firmly based upon physical laws of objective reality. Put very briefly, $2 + 2 = 4$, not because of some ways in which we think, but because 2 things plus another 2 things actually do make a class of 4 things. Similarly, conclusions can be drawn from the premises of a syllogism because such premises actually describe properties of classes of objects, not modes of thought). Thus, all intelligent minds in the universe will function similarly. We may expect an interstellar language to be a real possibility and, what is more important for our present purposes, we can expect the intellectual development of any intelligent race to follow, more or less, to a set pattern which we may reasonably suppose to be the pattern of our own development. As we seem to be embarked on a course which should lead to relativistic space flight, we may reasonably expect other civilizations to follow a similar path and to have actually achieved it.

How common should relativistic civilisations be in the cosmos and how often can we expect to be visited by them? This will of course, depend upon how frequently intelligent civilisations appear in the cosmos. In turn, prediction of the frequency of visitations and comparison with the apparent lack of visitation in historical times may be able to serve as a test for the validity of the belief that intelligent civilisations are widespread in the cosmos.

Beginning with C.M. Cade's rather conservative estimate that there are about 10^6 civilisations in our galaxy and estimating the total number of galaxies in the universe to be about 4×10^{11} we arrive at a total of around 4×10^{17} civilisations in the universe.

We will next assume (as many would not) that the human race is rather more advanced than most i.e. that more than 50% of these other civilisations are primitive by our standards. We further assume that, of the remaining 50%, or thereabouts, only half have advanced far beyond the human race (that is, I think, being very conservative indeed). Now suppose that (conservatism again) only half of these have achieved relativistic flight, and further suppose that, of those actually possessing relativistic flight only about one in five or six has actually conducted a major programme of

intergalactic exploration. How many civilisations does that whittling down leave?

Around 10^{16} , it would seem!

It is, I believe, quite legitimate to believe that once a lively programme of space exploration at relativistic speeds has been undertaken, new planets suitable for habitation will be discovered at a fairly swift rate. Furthermore, each new colony may well start up its own programme of exploration and, surely, there will be meeting and (we would think) co-operation between the explorers of various relativistic societies.

For these reasons, I assume that it will be rather conservative to assume that the rate of planetary discoveries will be as slow as one planet per relativistic civilisation per century, but (following our policy of conservatism) we will make the assumption that this is the actual rate of visitation. Put in another way, we assume that some 10^6 new planets are being visited every one hundred years of our years. Assuming that these are mostly colonisation prospects (and therefore, that only planets suitable to life - which in practice seems to mean having some form of life actually existing - are of interest), how long may we assume it will take for every suitable planet in the known universe to be visited?

To answer this, we make a guess at the number of suitable planets in existence. Once again, we take Cade's estimation that there are about 4×10^9 life bearing planets in our galaxy, which implies about 4×10^{26} in the universe as a whole. Thus, we may expect (on the basis of one new planet per century) that the universe will be covered in something like 4×10^4 centuries or 4×10^6 years. Or, if you like, each planet has a visit on an average of once every 4 million years. We may add or subtract a couple of zeros, but the general implication seems clear that (for example) the earth should have been visited by at least one relativistic civilisation - possibly as many as 500 such civilisations - since the dawn of life on this planet.

It is hard to believe that, in actual fact, this ever happened. If we were correct in our assumption that colonisation would be the main purpose of visitation, the lack of this is one of the strongest arguments against this planet ever having been visited. Even if only one in a hundred relativistic civilisations were interested in colonising the earth, several civilisations with such interests should still have visited us, according to the above reasoning. (It is absurd to suggest that WE are the results of such colonisation as the biological similarities between man and other terrestrial lifeforms is altogether too striking and there is nothing in our history to suggest an early era of high technological development).

Even fleeting visitors (a very unlikely breed, when relativistic speeds and intergalactic distances are involved) may well have left something behind which would have unambiguously announced their presence, but nothing like this has ever been found. An electronic computer or atomic reactor in the heart of the Pyramid, or something equally as spectacular would settle the question, but nothing like this has been discovered.

Neither can such visitations be related to the UFO phenomenon. A vast relativistic spaceship and its mechanical landing modules hardly fit the description of the ephemeral UFOs, nor does the rather flippant behaviour of the UFO occupants, nor their need to constantly "repair" their craft, nor the continued taking of samples of soil and plant life, fit well with the activity of a race sufficiently advanced to have mastered relativistic space travel (to say nothing of the tremendous difficulties faced by marrying the relativistic spaceflight hypothesis and the UFO phenomenon of mini-saucers and psychic contacts giving grossly inane "information" about outer space).

We are, I feel, faced with the problem of either abandoning the possibility of actuality of relativistic flight or revising the assumptions concerning the frequency of intelligent life beyond earth. The second course seems the wisest one at the moment, especially in view of the findings of the space programme regarding the exceptional nature of earth in respect of the other solar planets and the consequent hint that the conditions for life might be far narrower, and therefore far less likely to occur, than had hitherto been believed.

(1) J. Charon's belief that the acceleration of the universe in relation to the spaceship would give a counter time dilation effect such that the two would cancel each other out, cannot be upheld. D.W. Sciama has shown that the acceleration of the universe relative to a particular object, produces effects (due to Mach's principle) that would not give a time dilation effect (see Sciama "The Unity of the Universe").

UFOs - Time Machines? (as carried in last issue of ACOS Bulletin)

WHERE ARE THE CRASHED UFOs ?

If UFOs are time machines, then any crashed UFO can be recovered by an expedition, launched at any time, that travels to that space-time point just prior to the malfunction. Any consequences of the crash would then be removed simply by intervening before the accident occurred. The technology for time-travelling does not have to be perfect - They have all the time in the world to correct their mistakes.

Ball lightning. (as in New Scientist, 15 April 1976)

A luminous sphere, described as bright blue to purple in colour and with a flame-coloured halo, which appeared over the gas cooker of a Smethwick England housewife last year during a heavy summer thunderstorm is helping to clarify the nature of the mysterious phenomenon of ball lightning. The 10 cm diameter ball, emitting a rattling noise and a singeing smell, moved towards the witness who brushed it away; almost simultaneously, the ball exploded with a bang. The witness was left with a reddened and swollen hand, and an 11 cm by 4 cm hole in her dress. This event was reported in NATURE by physicist Mark Stenhoff of Royal Holloway College, Surrey, who calls it a "dramatic and characteristic" ball lightning event, able to reveal details of the energetics of the phenomenon. According to Stenhoff, there are two distinct areas of damage to the synthetic fibre of the dress: a central portion in which the fibre is altogether absent, surrounded by an area in which the pattern has faded and the fabric has shrivelled; there is no charring at the edge of the central hole.

Eric Wooding, reader in experimental physics at Royal Holloway College points out that this is one of the few occasions where any tangible evidence remained after a ball lightning event. Dr. Wooding told NEW SCIENTIST that he has tested the material of the woman's dress for residual radioactivity which proved negligible, and from the extent of the damage to the dress and the burns to the witness estimates that the energy of the ball was under a megawatt, less than the energy content normally quoted for ball lightning. His own view is that ball lightning is caused by a vortex ring of plasma.

In an article just received from the United States, Dr. J. Allen Hynek was interviewed by Linda Witt of PEOPLE magazine. It is very interesting reading, and we therefore reproduce the article here;

DO YOU DISCOUNT ALL UFO SIGHTINGS AS OPTICAL ILLUSIONS?

No, confound it. There is so much nuts-and-bolts evidence. How do you explain things you can see on radar? How do you explain imprints on the ground? How do you explain something that comes along and tears off the tops of trees? Or, as once happened in the Soviet Union, razes thousands of acres of forest? How do you explain bullets ricocheting off whatever was in the sky?

ARE THERE ANY SURPRISES IN THE RECENTLY RELEASED AIR FORCE DATA?

It's going to make some juicy reading, that's for sure. The Air Force couldn't explain more than 700 of the 12,600 cases. Some of the most intriguing are those the Air Force claims it had identified but actually hadn't.

WHY IS THIS MATERIAL BEING DECLASSIFIED NOW?

No one seems to be certain, but one clue may be the Freedom of Information Act. Literally dozens of requests for UFO information were filed under the law's provisions. That may have put sufficient pressure on the Pentagon to release it.

WHY WAS IT CLASSIFIED FOR SO LONG?

To put it bluntly, the Air Force was under orders from the Pentagon to debunk UFOs. Project Blue Book should have been called Project Debunk. The attempt was a failure, and one reason the Air Force classified the material was to cover its mistakes.

WHAT SORT OF MISTAKES?

One object, for example, was spotted that stopped in midair, hovered, made an abrupt 90 degree turn and flew out of sight. This was listed originally as a "probable" or "possible" weather balloon. Then when the statistics were actually completed, the words "probable" or "possible" were dropped. Air Force Maj. Hector Quintanilla, who was working on the project, defended this by saying, "There is no such thing as a probable balloon."

WHAT ELSE DO YOU FIND MISLEADING ABOUT THE AIR FORCE APPROACH?

They talk about mirages, but the cases they call mirages would have been physically impossible that high in the sky. Eight of some 30 cases in late August 1962 are listed as "insufficient information," but then there was no attempt to go out and GET sufficient information. In the BLUE BOOK, those cases would be listed as solved - solved because of insufficient data.

WHY DID THE AIR FORCE STOP STUDYING UFOs?

They were charged with determining whether UFOs posed a threat to national security, and by 1969 - when the project ended - the Air Force was pretty well convinced they didn't.

WHAT KIND OF PEOPLE SEE UFOs?

One of the things coming out of Project Blue Book is the astonishing cross section of Americans who reported UFOs. It turns out that cab drivers, housewives and policemen were as reliable as technically trained people. A pilot can be just as mistaken about a comet or the planet Venus or a fireball as a kindergarten teacher.

HOW MANY UFOs ARE SIGHTED?

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There are about 100 sightings world-wide in any given 24 hour period. A Gallup poll two years ago indicated that UFO sightings had doubled since 1968. An astonishing 11 % of the adult population - or more than 15 million Americans - reported seeing UFOs. In fact, probably two to three million of these were valid UFOs.

WHAT IS THE WILDEST STORY YOU'VE ENCOUNTERED?

On October 15, 1957 a Brazilian farmer named Antonio Villas-Bogas claimed he was abducted at about 1 a.m. by 5 uniformed persons ranging in height from 5 to 6 feet, was taken aboard some ship and put into a room with the most beautiful woman he had ever seen. The woman communicated with him in sign language, and, to skip the sensational parts, there may be an intergalactic baby out there someplace. What was really interesting was that he was found to have radiation sickness.

WHAT DO YOU THINK OF PEOPLE WHO CLAIM TO HAVE BOARDED SPACESHIPS?

Frankly, I quite strenuously avoid them. I'm almost embarrassed by the reports. None of these people have ever been able to produce anything reliable. It's junk, just junk. But I've been present when two very reliable people - a social worker and a postman - underwent hypnosis, and they were still convinced these things had happened to them.

DO YOU THINK UFOs COULD BE VISITORS FROM OUTER SPACE?

It doesn't seem possible, but who knows? As an astronomer I know that the distances involved are so great they'd have to have a technology beyond our comprehension. But then, Benjamin Franklin would probably have a tough time comprehending the 747.

WHAT DO YOU THINK THEY ARE?

People get excited at the thought UFOs might be from outer space. But it would be just as exciting if UFOs were from inner space, from an alternative or parallel reality.

BUT AS A SCIENTIST CAN YOU ACCEPT THE POSSIBLE EXISTENCE OF SUCH A PARALLEL REALITY?

We know there are a great many spaces within the atom - spaces we can begin to see with an electron microscope. These spaces are as vast, relatively, as those between the stars in the solar system. It's altogether possible that an entire parallel universe exists in these spaces between the parts of an atom. I know I'm on dangerous grounds here. But if the sheer weight of evidence finally forces us to look into parallel realities inner space, expanded consciousness, then we'll have to.

HOW IMPORTANT IS IT THAT WE SOLVE THE MYSTERY OF UFOs?

When the solution to the UFO puzzle comes, I think it will prove not to be just a step in the march of science. It will be a mighty and unexpected quantum jump.

UFOs and the earth's electrical field.

We live on a gigantic electrode of a cosmic generating station. The earth beneath our feet is the negative pole and the ionosphere high above our heads is the positive; and there is a difference of hundreds of thousands of volts potential between us. Thus, even on the brightest of days, our heads poke into a region that is some 200 volts more positive than our feet and during foggy weather this may increase to a value ten times as great. In dust storms it may rise to as much as 3,000 volts per vertical foot, making a difference of 18,000 volts between the feet and head of a six foot man. But even this is not the highest; in cloudy weather or rain, the potential difference may go to as high as 15,000 volts per vertical foot. Here our six foot man would have a difference of 90,000 volts between the top of his head and the soles of his feet.

This great charge of electricity is forever draining away, but, as fast as the earth loses its charge, it is replaced by that remarkable generating system - lightning. Every 24 hours there are as many as 200,000 thunderstorms on this planet; on average, each second sees something like 100 flashes of lightning:- more than 300,000 per hour. This activity is not completely constant throughout the day however. The afternoons of tropical regions such as east Africa and the east of South America produce many more storms than average and it is to be expected that the world-wide electric field will fluctuate accordingly.

Are UFOs responsive to this electric field? Is there any evidence that they are effected in some sense by it?

Yes, I believe there is evidence that the UFOs somehow interact with it, and this evidence is supplied by one of the most puzzling, if rather unspectacular features of the flight of these objects. I am referring to the tendency, noted time and time again, of these objects to hug the contours of the land. Thus, they have been reported to follow faithfully every rise and fall in the terrain even though they are obviously too high to be in any danger of colliding with mountain ranges or other objects that would necessitate such careful flight.

Yet, this seemingly pointless behaviour is just what is to be expected from something that is extremely sensitive to changes in the earth's electric field. Thus, any object "looked onto" one particular layer of electrical potential would follow rises and falls of this electric layer and, say as the layer itself is determined by the distance of the ground below, it will naturally follow very closely the contours of the ground.

It may also be possible to extend this to the "falling leaf" motion of UFOs. The UFO, in manifesting this type of behaviour, may be "feeling its way down" to a new level of electrical potential.

Just how far such UFO/electrical field interaction may be extended as an explanation of the various characteristics of the UFO phenomenon is not clear at the moment. Neither can we say that the establishment of such an interaction supports any one particular theory of the cause of the phenomenon, although it does seem reasonable to believe that a close relationship with the terrestrial environment, as displayed here, strongly supports a terrestrial origin for the phenomenon but the issue of whether the phenomenon is natural or artificial is not settled by such correlation.

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REPORTS.

Preliminary report on an April 1976 C.E. at Penrith NSW.

by Bill Chalker.

At least 4 people observed passage of brilliant aerial object which illuminated neighbourhood with bright orange red light. Before observation strange noise was heard, and one percipient observed large illuminated black spherical object at close quarters. White "vapour trail" observed. On following day, large flattened grass area and 4 "pod marks" were found.

A middle aged single woman was in bed reading at about 2300, on April 12th this year, when she heard a loud whistling noise, followed by what sounded like a ricochet perhaps off a nearby fence. She thought a prowler was in the vicinity, and within 10 seconds switched off the light, got out of bed and stood at the window. Out the window she could see a strange object come into view from an easterly direction. It appeared to be a large black sphere, with a periphery of white light surrounding it, perhaps about 30 to 40 feet (estimate) in diameter. It stopped, then slid smoothly further into the corner paddock close to the fence. The object could not proceed any further because of buildings. Fearing an imminent collision or explosion, she yelled out to her mother in the adjacent room. At this stage, her mother had been awakened by the whooshing noise, and soon was shocked to see an "orangy cloudy effect, like smoke", seemingly "flowing in" to the room. At first thinking the house was on fire, she called to her other daughter, and then hearing the other calling her, she rushed into her room. By this time, they both observed the object higher in the air, pulsating very strongly, with a very bright orange-red light. This object "vanished" and they were able to see a bright orange sphere travelling to the N.E., appearing as a ball of light which would appear in a few spots in the sky, following a slightly curved trajectory.

They also observed a soft white vapour trail, long and definite, stretching from behind the object. When the light finally disappeared, the "trail" dissipated and disappeared. There was only 1 witness to the earlier observation, and a further 3 to the latter part, including the widespread glow. 6 people heard the strange sound preceding the event.

Next day, the main witness and a neighbour explored the paddock in which the object had appeared to hover and discovered an area (100 feet by 45 feet) of long grass, swept in an outward direction, from the centre between 2 trees. No other grass effects were noticed except for 4 plate sized "pod marks" in a straight line near the house fence, approx. in line with the sighting of the UFO the night before. 6 photos were taken of the major area on the same day, and by early september the large trace was not distinct, and the "pod marks" had been obliterated by neighbourhood traffic, looking at the "trace". Because of the extant condition of these possible traces, at the time of the in-the-field investigation, no samples were taken.

DOCUMENTATION: Sighting report forms, Taped interview & notes.

INVESTIGATORS: W. Chalker, & Barton Carter (UFOIC).

TWO SIMILAR CASES ON THE CENTRAL COAST N.S.W.

A bizarre case which occurred at Norah Head on June 8, 1975, describes events involving a "ghost light" which issued smaller objects, which in turn were alleged to have "attacked" some of the witnesses. The details of this event seemed to be without precedent, but because of recent investigations by B. Chalker, M. Smyth of UFOIC and H. Griesberg of ACOS, a similar case, occurring only a few hundred yards away from the above event, has come to light. The investigators were able to determine that neither groups of percipients would have been aware of each other's sighting.

At about 0045 early February 1973, a man and woman were parked in a car near the Norah Head Kiosk, in light rain. They soon noticed a street light near the Kiosk, behaving rather erratically - it was dimming on and off and eventually faded out to a faint glow. Then, from just beyond some trees in about the same direction as the street light (south west) they observed a bright golden coloured ball, approx. the size of the full moon, rise up and then hover in the air. After a few minutes the object changed colour through gold, orange to deep red. The couple decided to drive closer, for a better view of the strange object, but they were alarmed by the failure of their car to start. The only response was from the head lights which only came on with a very dull illumination. This frightening development made the couple determined to stay inside the car, to await the outcome of the object's motions.

For several seconds, a number of small red glowing balls shot out from a point between the middle and bottom of the object. These balls, travelled obliquely downwards for some distance, and then appeared to drop down behind trees. The trees were momentarily illuminated by the presence of these balls. The object itself, then appeared to rise slowly and moved away to the S.W., eventually disappearing from sight. The street light came on to normal brilliance and the car started straight away with the first attempt. The car battery was a new one and a subsequent garage check could find nothing wrong with the vehicle. The starter motor has not given any trouble since the incident. The area from which the UFO rose consisted of dense scrub and with the continuing rain prevented any subsequent attempt to determine whether there were any physical traces. The area has also since been completely cleared for the construction of a new Caravan Park.

CURRENT UFO ACTIVITY ON THE CENTRAL COAST N.S.W.

On September 3rd, 1976, at 1804, a middle aged man, who is the senior medical social worker at Gosford Hospital, and holds a Dip. Soc. Stud (Syd/Oxford Uni), as well as a diploma of the School of Hypnotic Sciences, was driving from Terrigal towards Gosford, when he noticed a brilliant white object hovering above tree top level in the west. The object was approximately $\frac{1}{4}$ the size of the full moon, and his first thought was to get as many people as possible to back up his sighting. Subsequently, a further 5 people became witnesses to this sighting also. One of them, a 12 year old boy, who is the son of a friend of the main witness viewed the object through binoculars, and described it as "the top of a mushroom when viewed through binoculars". The object hovered above the trees for some time, then dropped down towards the horizon a few centimeters, remained motionless, then rose again. One of the other witnesses, is a senior medical Technologist at Gosford Hospital, and his wife a senior nurse. These were the last witnesses to see the object, for at this time, 1853, the object started to move slightly, and seemed to reduce in brightness. It then momentarily reappeared, finally getting smaller as it disappeared into the south. The weather on the night in question was very calm and a full moon was out.

A few days later, another man contacted UFO Research, Central Coast, and reported seeing the same object from Green Point, several kilometers from Terrigal the same night at approximately 1810. It at first moved in a NE direction but when it was directly above him, changed its course to east towards Terrigal.

Exactly one week later, on September 10th, a retired couple in The Entrance, noticed a "big round globe-like, very brilliant white light" hovering for about 25 minutes over the Tuggerah lake. After 25 minutes, the light suddenly went out, and a beam of light came on, and shone straight down onto the water for about 5 minutes. The beam then completely went out, and there was no sign of either the beam or the object. The woman added that just before the light died and the beam came on, that the object changed colour very quickly from a very brilliant white to a deep orange.

Information was also received that on the same night, at approximately 1930, a woman in Woy Woy saw a brilliant white light flying over her home, but the woman refused to talk to investigators or render further particulars, as she stated that she felt extreme fright when she saw the object. All attempts to locate this woman have so far failed.

Then, on Saturday September 18th, a woman in Davistown reported the following: "Just prior to 2100, I walked down the back yard, and about two houses further down, just above tree-top level, was this strange object which had 2 large lights just like car headlights, but very bright. A reflection was coming from them, and I could just get a very faint look at the front as the back was so bright, but the front was long and shaped like the point of a ice-cream cone. I did not seem to worry too much about the front, as the back was the part which was the brightest. I watched it as far as my eyes could watch it, as it went out over the water, and it made no noise as I listened very closely, as everything around me was very quite. As it faded away, I turned and just at that moment, from behind the tree was a ball, to me it was round, orange in colour, not very big, I would say the size of an orange. It also, made no sound whatever, and it followed the same direction as the first object. I have never believed in such things, but until I know what these strange objects were, noone will ever say there are no UFOs. I hope you will be able to tell me what these strange objects were."

Another call was received from a woman in Holgate, who, on the same night(18th) witnessed a strange object with her husband, daughter, her son who attends Sydney University and a friend of his. The object was seen for 20 minutes between 2010 and 2030, in a WNW direction, at 30 degrees to the horizon, just above tree top level. It appeared about 4 times larger than a star.

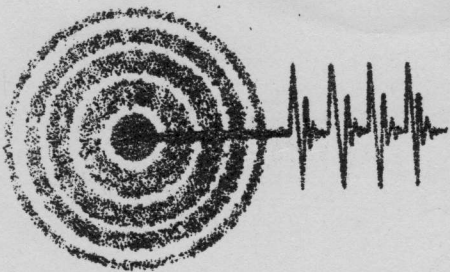
It appeared to be a Central shape, similar to a football on end, or like an egg, and had orange, blue and green lights revolving around it. The revolving lights seemed to speed up and the object increased in size. As it did this, the object seemed to ascend slowly, came down again, and sometimes rose in a 45 degree climb to the right and then returned to its original position. It then dropped behind the trees, returned to its original position, then dropped completely out of sight below the horizon.

Radio station 2GO received a number of telephone calls on the monday thereafter all reporting the same or similar objects on the saturday night, and all callers as well as listeners were urged to contact UFO Research Central Coast, so more reported sightings are expected within the next few days.

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CENTRE FOR UFO STUDIES

Australian Co-Ordination Section

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Dec. 1976

NEW REFERENCE NUMBERS.

On the return circular attached to the June 1976 ACOS Bulletin, we asked if you were in favour of using the one uniform reference number system throughout Australia. One hundred percent of all organisations and individuals voted in favour of doing so, and we have therefore designed a new system, with the help of Mr. Andy Cole of Sydney, who will be operating the computer which will be fully operational by the end of this year. The reference numbers not only serve as a quick reference point, but are also very useful in the programming of the new computer.

The numbers should therefore be given to all reports, as they are received, NOT as they happen. Also, reports which eventually, after investigation, are found to be identified i.e. be of a known object, should also receive the reference numbers.

Firstly, the reference number will consist of two letters, followed by 5 numbers. Let us look at an example, and for this purpose use the first report which will be received by UFOIC of Sydney in 1977. That particular report, whether it turns out to be a UFO or IFO, will receive the number NA 77001. The first letter, namely "N" will point out the state, i.e. N.S.W. The second letter, namely "A" will identify the organisation or individual in that particular state. The first two numbers, "77" will identify the year the report was received, and the final three numbers, "001", is the order the report was received.

The second report received by UFOIC will receive the reference number NA 77002, and so on. Should by some chance however, more than 999 reports be received in any one year, it is then advised to use letters and numbers. For instance after NA 77999, the next report will then be NA 77A01, NA 77A02, and so on to NA 77A99, then NA 77B01 etc.

The computer has been programmed to this system. However, I do not think that we will have to worry about receiving more than 1000 reports per organisation in any one year at the moment.

Should there be any query on this new system, please do not hesitate to contact us at once.

Following now, is a list of reference numbers for the first report for 1977, for every organisation and individual which participate in the ACOS programme.

(2)

NA 77001.	U.F.O.I.C.
NB 77001.	U.F.O.Research-Central Coast.
NC 77001.	T. Bishop.
ND 77001.	K. Blackman.
NE 77001.	P.U.F.O.R.O.
QA 77001.	Q.U.F.O.R.B.
VA 77001.	V.U.F.O.R.S.
TA 77001.	T.U.F.O.I.C.
SA 77001.	UFO Research Inc. S.A.
SB 77001.	S.P.A.C.E.R.S.
WA 77001.	UFO Research-W.A.
WB 77001.	U.P.I.B.
ON 77001.	Other sources in N.S.W.
OQ 77001.	" " " Queensland.
OV 77001.	" " " Victoria.
OS 77001.	" " " South Australia.
OW 77001.	" " " Western Australia.
OT 77001.	" " " Tasmania.

The last six codes for other sources, are reserved for reports, which we might come across from time to time, from other sources, e.g. newspapers, magazines, books, members of the public, reports which may have occurred years ago, and are too old to warrant a full investigation, but which will be entered in the computer just the same.

The reports will be in chronological order as far as the computer is concerned, but it is very important to number each report as of 1st January 1977, for a cross reference for the computer, as well as quick and easy identification of State, Organisation, Year and report number.

One other major point, please use ONE reference number for ONE event, no matter how many witnesses to the event. And please be certain to display the reference number on the first page of any report.

H. Griesberg & D. Seargent
Co-Ordinators.
A.C.O.S.